

SLADKOSHTYEV, V.T.; SHATAGIN, O.A.; PERITSKIY, M.A.; VAITALANOV, M.A.;
KHALEMSKIY, S.F.

Experiment in operating a horizontal machine for continuous
bronze casting. TSvet. met. 38 no.2:90 P '65.

(MIRA 18:3)

ANTONOV, G. I., KHALEMSKIY, S. F., KAL'NOY, Ye. L., POLYAKOV, V. F.

Using unfired forsterite bricks in small-capacity furnaces.
Metallurg 5 no. 7:17-20:J1 '60. (MIRA 13:7).

1. Ukrainskiy institut ogneuporov i zavod im. Malysheva.
(Open-hearth furnaces)
(firebrick)

ZHIKHAREVICH, A.S.; KARAULOV, A.G.; PANICH, B.I.; SHEYKO, I.I.;
POLYAKOV, V.F.; KHALEMSKIY, S.F.

Replacement of cast steel plugs used in the top pouring of
steel by ceramic graphite-bearing inserts. Metallurg 6
no.11:18-19 N '61. (MIRA 14:11)
(Steel ingots)

ANTONOV, G. I., inzh.; SHEYKO, I. I., inzh.; KHALEMSKIY, S. F., inzh.;
KAL'NOY, Ye. L., inzh.

Using 50 mm. facing bricks in open-hearth furnaces in foundries.
Mashinostroenie no. 5:42-43 S-0 '62. (MIRA 16:1)

1. Ukrainskiy institut ogneuporov i Zaved im. Malysheva.

(Open hearth furnaces—Equipment and supplies)

ANTONOV, G.I.; BERMAN, Sh.M.; KOSOGOLOV, V.V.; SHEYKO, I.I.; KAL'NOY, Ye.L.;
KHALEMSKIY, S.F.

Present state and prospects for the development of refractory
linings in foundry open-hearth furnaces. Lit. proizv. no.6:
19-21 Je '63. (MIRA 16:7)

(Open-hearth furnaces--Design and construction)
(Refractory materials)

KHALENEVA, L.D.

KHALENEVA, L.D.

"Problems of the Feeding of Minerals and Vitamins to Heifers and Unipara Cows Belonging to Highly Productive Herds."
Cand Agr Sci, Moscow Veterinary Academy, Min Higher Education USSR,
Moscow, 1955. (KL, No 11, Mar 55)

SO: S um No. 670, 29 Sep 55 - Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (15)

POLYAKOV, A.A., prof.; TARANOV, M.T., kand. biolog. nauk; POLOZNOV, N.A., veterin. vrach; CHEREZOVA, T.Ye., veterin. vrach; KRYUCHKOV, I.I.; LILENKOV, I.P., kand. veterin. nauk; PETUKHOVA, Ye.A., kand. sel'skokhoz. nauk; KHALENEVA, L.D., kand. sel'skokhoz. nauk; BOCHAROV, D.A., kand. sel'skokhoz. nauk

Sanitation and veterinary hygiene. Veterinariia 41 no.2:
84-99 F '64. (MIRA 17:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut veterinarnoy sanitarii (for Polyakov). 2. Vsesoyuznyy nauchno-issledovatel'skiy institut fiziologii i biokhimii sel'skokhozyaystvennykh zhivotnykh (for Taranov). 3. Kalininskaya nauchno-proizvodstvennaya veterinarnaya laboratoriya (for Poloznov, Cherezova). 4. Zaveduyushchiy Rzhenskoy veterinarnoy laboratoriyey, Kalininskaya oblast (for Kryuchkov). 5. Arzamasskaya veterinarnaya laboratoriya, Gor'kovskoy oblasti (for Lilenkov). 6. Moskovskaya veterinarnaya akademiya (for Petukhova, Khaleneva). 7. Moskovskiy tekhnologicheskii institut myasnoy i molochnoy promyshlennosti (for Bocharov).

GOLYARKIN, F.Ye., kand. sel'skokhoz. nauk; YEMELINA, N.T.; PETUKHOVA, Ye.A.;
KHALENEVA, L.D.; GAVRILOV, I.V.; POPOV, B.V.

Pay more attention to the quality of stocked feeds. Veterinariia
41 no.7:4-7 J1 '64. (MIRA 18:11)

1. Moskovskaya veterinarnaya akademiya (for Yemelina, Petukhova,
Khaleneva). 2. Vneshtatnyy korrespondent zhurnala "Veterinariya"
Vladimirskaia oblast' (for Gavrilov). 3. Nachal'nik veterinarnogo
otdela Stavropol'skogo krayevogo upravleniya proizvodstva i
zagotovok sel'skokhozyaystvennykh produktov (for Popov).

"APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000721710015-7

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000721710015-7"

MUKHLENOV, I.P.; TUMARTINA, Ye.S.; KIL'SHTEDT, K.K.; KHALEPA, V.M.;
NIKITINA, L.F.

Removing the sulfuric acid fog. Trudy LTI no.54:103-116 '59.
(Sulfuric acid) (Gases—Purification) (MIRA 13:8)

KHALEPA, Ye.

Keeping pace with life. Mast.ugl. 9 no.2:16 F '60. (MIRA 13:7)

1. Predsedatel' shakhtkoma Severo-Vostochnogo razreza Amurskoy oblasti.

(Upper Suyfun Basin--Coal mines and mining)

(Mine management)

Khalepskiy, B.
REVZIN, S.V.; KHALEPSKIY, B., redaktor; CHISTYAKOV, A., tekhnicheskii redaktor

[Free balloon flight] Svobodnoe vozdukhoplavanie. Moskva, Izd-vo
DOSAAF, 1951. 122 p. [Microfilm] (MLRA 10:7)
(Balloons)

KHALEPSKIY, B. I.

Forms of flexible rod equilibrium on flat surfaces. Nauch. trudy
KNIUI no.2:193-200 '58. (MIRA 13:8)

(Equilibrium of chains)

(Tie rods)

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S/044/61/000/007/029/055
C111/C222

AUTHOR: Khalepskiy, B.I.

TITLE: On the relation between the tension distribution in a thread
and the form of the thread

PERIODICAL: Referativnyy zhurnal, Matematika, no. 7, 1961, 59,
abstract 7 B 264. ("Nauchn. tr. Karagandinsk. n.-i. ugol'n.
in-t", 1959, vyp 4, 495-509)

TEXT: The author considers the determination of the form of the equilibrium position of a heavy thread in which the tensions are given as functions of the length. The author investigates cases where the thread is charged by its eigenweight, by vertical forces, and by normal and tangential forces. The solution leads to non-linear differential equations.

[Abstracter's note : Complete translation.]

Card 1/1

Khalesova, E.I.

✓ Note on the determination of residual nitrogen with
Asel's method. E. I. Khalesova (City Hosp., Ivanovo)
Laboratoruae Delf. 1933. No. 6: 12-13 - In order to pre-
vent the escape of white fumes during H₂SO₄ digestion of
protein the test tube is plugged with water-satd. cotton
The plug is inserted as soon as the fumes begin to appear
A. S. Mirkin

KHALETSKA, N.I.; CHEKHOVSKIY, N.S.; P'YANKOV, P.I.; OSTROVSKIY, N.N.
BIRBRAYER, M.L.; ABRAMOVA, N.I.; KOGAN, G.Kh., kand.med.nauk;
ANDZHELOV, V.O., kand.med.nauk

Abstracts. Sovet. med. 27 no.9:131-133 S'63 (MIRA 17:2)

1. Iz kafedry gospital'noy terapii Voenno-meditsinskoy ordena Lenina akademii imeni Kirova (for Khaletskaya, Chekhovskiy).
2. Iz kliniki infektsionnykh bolezney Permskogo meditsinskogo instituta (for P'yankov).
3. Iz kafedry infektsionnykh bolezney Hlagoveshchenskogo meditsinskogo instituta (for Ostrovskiy).
4. Iz kafedry kozhnykh i venericheskikh bolezney Odesskogo meditsinskogo instituta imeni Pirogova (for Birbrayer).
5. Iz kafedry kozhnykh bolezney II Moskovskogo meditsinskogo instituta imeni Pirogova (for Abramova).
6. Iz kozhnogo dispansera 24-y gorodskoy bol'nitsy Dnepropetrovskaya (for Kogan).
7. Iz nauchno-issledovatel'skogo instituta glaznykh bolezney imeni Gel'mgol'tsa (for Andzhelov).

KHALETSKAS, I.Ya.

Organization of mail transportation and delivery to subscribers
in the Lithuanian S.S.R. Vest. aviazii. 24 no.5:24-25 My '64.

(MIRA 17:6)

1. Nachal'nik upravleniya obshchey ekspluatatsii Ministerstva
svyazi Litovskoy SSR.

KHALETSKAYA, F. M., and ANICHKOV, N. N.

Untersuchungen über die experimentelle Histiocytämie beim Frosch. Zeitschrift
für die gesamte experimentelle Medizin, 89, 1/2, 36-48, 1933.

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KALETSKIYA, F. M.																																																																													
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The inhibition of tumor growth by some fractions of extracts of spleen tissue. Erv. Bauer, F. Khaletskaya, A. Lwisiwa and L. M. Shabad. <i>Acta Cancerologica</i> 2, 17-20 (1964).—An alc. ext. of autolyzed spleen injected into mice with Ehrlich adenocarcinoma caused a slight inhibition of tumor growth. A pronounced inhibition of growth was produced by injection of the fraction of the alc. ext. which was sol. in CCl₄. The active inhibitory principle was removed from the CCl₄ ext. by treatment with animal charcoal. E. R. Main																																																																													
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TEST AND PROPERTIES

PROCESSING AND PROPERTIES

The antitlastic properties of spleen tissue on injection of 1,2,5,6-dibenzanthracene and in experimental sarcoma of mice. L. M. Shabat and F. M. Khaletskaya. *Arch. vi. Biol. (U. S. S. R.)* 43, No. 1, 75-87 (in English 180-1) (1968). The spleen tissue of mice injected subcutaneously with dibenzanthracene (I) soln. in sunflower seed oil loses in 1-2 mos. its antitlastic property of preventing the growth of grafted tumors of Ehrlich's adenocarcinoma. The injection of I without the oil lessens but does not destroy this property. The loss of this property is also caused by the injection of the oil alone, but is restored after 1.5-2.5 mos. In the presence of a tumor produced by I in an animal, the addn. of spleen tissue to grafted tumors does not arrest their growth. The antitlastic property of spleen tissue is not restricted to one species of animals, but is not found in other tissues (muscles, liver, kidney) of the animals tested. W. A. Perlewa

ASB-11A METALLURGICAL LITERATURE CLASSIFICATION

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PROCESSING AND PROPERTY INDEX																																																			
<i>118</i> The antiblastic properties of spleen tissue in the case of parenteral introduction of fats, lipoids, proteins and some colloidal dyes. F. M. Khaletskaya, <i>Arch. sci. biol.</i> (U. S. S. R.) 46, 71-85 (1957); <i>Chem. Zentr.</i> 1959, II, 654; cf. <i>C. A.</i> 52, 8735. —After parenteral administration of fats and lipoids the spleen tissue of mice lost its antiblastic properties as regards onset of growth of Ehrlich carcinomas. Trypan blue and India ink had the same effect. After parenteral introduction of native protein or blood serum the spleen tissue still retained the ability to retard the growth of tumors. M. G. Moore																																																			
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KHALETSKAYA, F. M.

On the Influence of General Cooling on the Development of Purulent Infection in
the Lungs of the Rabbit

Arkhir Biol Nauk, 60, 1940, 3, 3-13

LEVIN, A. I.; KHIALETSKAYA, F. M.

Contribution to the Problem of the Pathogenesis of Frostbite.

The Role of Local Disturbances of the Blood Circulation

Arkhlv Biol Nauk, 60, 1941, 3, 15-24

ca

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Endogenous blastomogenous substances. X. Benzene extract of liver of mice with transplantable Ehrlich carcinoma. F. M. Khaletskaya (Acad. Med. Sci., Moscow). *Byull. Eksp. Biol. Med.* 22, No. 6, 31-3 (1940); cf. Nefakh, C.A. 33, 3707. Benzene exts. of livers of mice with Ehrlich carcinoma were filtered, freed of benzene, dissolved in sunflower oil (1:4) and injected 4-6 times over 3 weeks (0.2 cc. at a time) into mice of strain RV. Animals surviving for appreciable periods showed encapsulation of the injected material. In no instance was formation of a tumor observed. This indicates that the tumor tissue does not produce blastomogenic materials. G. M. Kusolapoff

ASB SLA METALLURGICAL LITERATURE CLASSIFICATION

ca 117 Blood cholesterol in experimental tumors in mice F. M. Khaletskaya (Inst. Normal and Pathol. Morphol., Moscow). <i>Arkh. patol.</i> 1945, No. 2, 40-3.—Blood cholesterol in mice is varied by transplanted or chemically induced tumors. Regardless of the type of growth, the papilloma stage leads to hypercholesterolemia; in de- veloped cases, the level is near or at normal values, prob- ably because of exhaustion of the animal. In expts. with 270 mice (cholesterol detd. colorimetrically in blood taken from the tail), the normal value was 70 mg. %, av. Transplants of Ehrlich carcinoma resulted in an av. of 85 mg. % after 25-30 days. After smearing with coal tar 1-2 months (50 times every other day) the blood level was 80-8 mg. %, 95-8 mg. % in 3-6 months, and finally 110 mg. % at the papilloma stage. When adenocarcinoma developed the level dropped to 87 mg. %. Sinears with dibenzopyrene (55 times) resulted in 90-2 mg. % of blood cholesterol in 3-3.5 months and this level remained until the papilloma stage appeared (rise to 115 mg. %), then dropped to below 90 mg. %. G. M. Kozolapoff																																																																																																																													
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USSR/General Problems of Pathology - Tumors.

T-5

Abs Jour : Ref Zhur - Biol., No 3, 1958, 12684

Author : Khaletskaya, F.M.

Inst : Not given

Title : The Effect of Overstrain of the Nervous System on Development of Induced Tumors in Mice.

Orig Pub : Zh. vyssh. nerv. deyat.-sti, 1954, 4, No 6, 869-876

Abstract : Repeated stimulation of mice with a weak electric current speeds up development of methylcholanthrene induced papillomas and cancerous tumors. A bell used as a stimulus has a similar effect.

Card 1/1

Inst. Oncology, AMS USSR

Blastomagenic action of liver extracts from children, newborn infants, and fetuses. [with summary in English] 'op.onk. 2 no.4:405-408 '56.

(MLRA 9:12)

1. Iz laboratorii eksperimental'noy onkologii (zav. - chlen-korrespondent AMN SSSR prof. L.M.Shabad) Instituta onkologii AMN SSSR (dir. - chlen-korrespondent AMN SSSR prof. A.I. Serebrov)

(LIVER EXTRACTS, effects, carcinogenic action of extracts of child., newborn inf. & fetuses (Rus))

(CARCINOGENS, liver extracts of child., newborn inf., & fetuses (Rus))

SHALITSKAYA, Inu oncology-cell theory

The direction of modern cancer research in the Soviet Union has been determined by two events: 1) rejection of Virchow's cellular pathology as a consequence of Leshchinskaya's conception of the formation of cells from non-cellular substances, and 2) Pavlov's theory. These two fundamental theories were postulated at a joint meeting of the Academy of Sciences and the Academy of Medical Sciences in Moscow in 1950, and must be accepted as stated. Cell research is the central task of oncology; consequently, a limitation or a rejection of morphological cell research must be regarded as indefensible. In the five years following the meeting, a certain uneasiness in this matter, even a regret, can be traced from statements made by Soviet researchers.

Shudina and Ptokhov vhevked the method suggested by Leshchinskaya for the study of hydra (see M. Brandt: Von der neuen Entwicklung der Sowjetmedizin) and employed it to investigate the formation of cancer cells from non-cellular substance during the observation, for five days, of living matter in a hanging drop. The so-called living substance was obtained by grinding tumor tissue (Bowen-Pearce rabbit tumor tissue and ascites carcinoma of the mouse) with tyroding solution and centrifuging at 1500 to 3000 rpm. Individual tumor cells were found in every-decreasing numbers and tumors did not grow. The further development of fat and protein droplets into the cellular state, as described by Leshchinskaya, likewise did not occur; only physical chemical processes took place. The development, described by SHALITSKAYA (Leshchinskaya Institute) of living substance after introduction into the anterior eye space did not withstand investigation. (from Problems of Cancer Research and Cancer Control in the Soviet Union --Cancer Research in the Soviet Union) *

SO: Reports of the Osteuropa Institute of the Free University of Berlin, No. 22, Medical Series, pub. by Dr. Max Brandt, Berlin 1956, pl. Incl.

over

KHALETSKAYA, F.M.; TRIPOL'SKAYA, N.A.

Effect of tactile-pain stimulation on the course of pregnancy and vitality of the fetus. Biul. eksp. biol. i med. 42 no.9:28-32 S '56.

(MIRA 9:11)

1. Iz Instituta akusherstva i ginekologii (dir. - prof. P.A. Beloshapko) AMN SSSR, Leningrad. Prestavlena deystvitel'nyy chlenom AMN SSSR V.N. Chernigovskiy.

(PREGNANCY,

eff. of tactile & pain irritation on course & vitality of fetus in rats (Rus))

(PAIN, experimental,

eff. on pregn. course & vitality of fetus in rats (Rus))

USSR/General Problems of Pathology Tumors Immunity
APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710015-7"

Abs Jour : Ref Zhur Biol., No 5, 1959, 22764

Author : Khaletskaya, F.M.

Inst : Molotovsk Medical Institute

Title : An Attempt to Obtain Antitumor Immunity Towards Experimental Tumors.

Orig Pub : Tr. Molotovsk. med. in-ta, 1957, vyp. 26, 89-97

Abstract : Intracutaneous immunization (ICI) of mice with acellular filtrate (AF) of skin carcinoma of mice, induced by methylcholantrene (I) is ineffective; in animals, an increase of resistance to subsequent smearing with I was not observed; during the first months an acceleration of tumor development was instead observed. ICI of AF with papillea, induced by I, increased the resistance; tumors induced by I appeared less frequently and later than in

Card 1/2

KHALETSKAYA, F.M., prof.; YEFIMOVA, N.S., dotsent

Work of the Perm Province Society of Pathoanatomists during
1962-63. Arkh. pat. 27 no.8,88-89 '65.

1. Predsedatel' Permskogo oblastnogo obshchestva patologicanatomov
(for Khaletskaya). 2. Sekretar' Permskogo oblastnogo obshchestva
patologicanatomov (for Yefimov).

(MIRA 18:10)

ZVEREV, A. F. (Prof.); KHALETSKAYA, L. N.

Pneumothorax

Results of extrapleural pneumothorax. Probl. tub. no. 2, 1952.

9. Monthly List of Russian Accessions, Library of Congress, August ¹⁹⁵²~~1953~~, Unclassified.

KHALETSKAYA, L. Ya.

Effectiveness of surgery on the musculus rectus medialis in compound treatment of concomitant convergent strabismus in children. Opt. zhur. 18 no. 4:240 '63 (MIRA 1964)

1. Iz glaznogo otdeleniya Kiyevskoy spetsializirovannoy klinicheskoy bol'nitsy.

KHALETSKAYA, M.F., prof.; YEFIMOVA, N.S., kand.med.nauk

Work of the Perm Society of Pathoanatomists in 1957. Arh.pat. 20
no.12:87-88 '58. (MIRA 12:1)

1. Predsedatel' Permskogo obshchestva patologoanatomov (for Khalet-
skaya). 2. Sekretar' Permskogo obshchestva patologoanatomov (for
Yefimova).

(PERM--ANATOMICAL SOCIETIES)

KHALETSKAYA, N.S.

Atypical location of the appendix. Vest.khir. 76 no.10:126-127
N '55. (MLRA 9:1)

1. Iz khirurgicheskogo otdeleniya (zav.--N.S.Khaletskaya)
Korovskoy zheleznodorozhnoy bol'nitsy Gor'kovskoy zh.d.

(APPENDIX, abnormalities

atypical location)

(ABNORMALITIES,

appendix, atypical location)

KHALETSKAYA, N.S. (Vladimir (cbl.) ul. Pushkina, d.7, kv. 18)

From the history of the development of traumatological and
orthopedic service in Vladimir Province, Ortop., travm. i
protaz. 24 no.12:75-79 D '63. (MIRA 17:7)

KHALETSKAYA, N.S.

Studies on the history of the development of surgery in Vladimir Province, 1917-1957. Sov.zdrav. 17 no.12:49-54 D '58.

(MIRA 12:2)

1. Iz gorodskogo otdela zdravookhraneniya (zav. N.S. Khaletskaya) Kovrova, Vladimirovskoy oblasti.

(SURGERY, hist.
in Russia (Rus))

KHALETSKAYA, N.S.

KHALETSKAYA, N.S. (Kovrov)

Railroad accidents according to materials of the Kovrov Railroad
Hospital for a period of thirty years (1925-1954). Ortop., travm.
1 protez. 18 no.2:37-39 Mr-Apr '57. (MLRA 10:8)
(WOUNDS AND INJURIES, prev. and control statist.
railroad inj.)

KHALETSKAYA, O.N.

New data on the age of terrigenous sediments in the Mal'guzar Mountains. Uzb.geol.zhur. 7 no.5:73-74 '63. (MIRA 17:3)

1. Glavnoye upravleniye geologii i okhrany nedr pri Sovete Ministrov UzSSR.

KHALETSKAYA, O.N.

Stratigraphy of the Lower Silurian Deposits of Central Asia. Dokl. AN Uzb. SSR, No 10, 1953, 17-19

A report on the new findings of graptolites in Central Asia. A list is presented of 7 types of arenite formations in the Turkestan Range and 25 types in southeast Kara-Tau. At the latter place, the arenite forms are together with leading forms of younger deposits all the way up to the Caradocian (Diplograptus calcaratus Lapw.). All the gradual subdivisions of the Ordovician are established on the basis of the discovery of various groups of fossil organisms in these and neighboring regions. RZhGeol, No 1, 1954)

SO: W-31128, 11 Jan 55

KHALETSKAYA, O. N.

"Graptolites of the Upper Silurian Nura-Tau." Cand Geol-Min Sci, Inst
of Geology, Acad Sci Uzbek SSR, 20 Dec 54. (PV, 9 Dec 54)

Survey of Scientific and Technical Dissertations Defended At USSR
Higher Educational Institutions (12)

SO: Sum. No. 556 24 Jun 55

KHALETSKAYA, O.N.

Stratigraphy of Silurian terrigenous sediments in Uzbekistan.
Trudy Uz.geol.upr. no.1:8-12 '60. (MIRA 14:8)
(Uzbekistan--Geology, Stratigraphic)

KHALETSKAYA, O.N.

Activity of the permanent commission of the Interdepartmental Stratigraphic Committee on Ordovician and Silurian sediments in the U.S.S.R. Uzv.geol. zhur. 7 no.1:45-46 '63. (MIRA 16:4)

1. Glavnoye upravleniye geologii i okhrany nedr pri Sovets Ministrov UzSSR.

(Geology, Stratigraphic)

81789

S/032/60/026/07/20/055
B015/B06C

18.7400
5.5500

AUTHORS: Berman, I. A., Khaletskaya, S. A.

TITLE: Determination of the Thickness of a Zinc Coating by the
Method of Tagged Atoms 19

PERIODICAL: Zavodskaya laboratoriya, 1960, Vol. 26, No. 7, pp. 836-837

TEXT: Prior to chrome-plating of aluminum and its alloys, a thin zinc layer is applied in order to achieve a better adhesion of chromium. The influence of various factors on the thickness of this layer applied from a sodium zincate solution by contact precipitation to aluminum, as well as to Al₉ (Al₁₉) alloy by application of tagged atoms was studied.

Zn⁶⁵ was added to the solution, and a total activity of 2.5 millicurie used. The activity was measured with a B-2 (B-2) device. The thickness of the zinc-coating layer could be established by measuring the activity (Table 1, results obtained for the sample kept in sodium zincate solution for different periods of time). In addition, the amount of zinc which remains on the sample after chrome-plating could be

Card 1/2

ILLGEN, Konrad; KYCHAKOVA, G.V.[translator]; KHALETSKAYA, S.A.
[translator]

[Friendship in action; the Soviet Union's economic aid
to socialistic states and economically underdeveloped
countries] Druzhba v deistvii; ekonomicheskaja pomoshch'
Sovetskogo Soiuza sotsialisticheskim gosudarstvam i
ekonomicheski slaborazvitym stranam. Moskva, Izd-vo
inostr. lit-ry, 1962. 267 p. (MIRA 16:12)
(Economic assistance, Russian)

APARIN, N.; PEREKALINA, N.; KHALETSKAYA, T.

Problems of the over-all mechanization and electrification of agriculture. Vest.Mosk.un.Ser.8: Ekon., filos. 15 no.3:93-97 My-Je '60. (MIRA 13:6)

(Agricultural machinery)

(Electricity in agriculture)

KHALETSKIN, V.

20056

USSR/Tractor Production 4403.0200
Flax Production 4305.0300

Oct 1947

"For Better Utilization of Flax-Processing Machines
in MTS," V. Khaletskin, 3 pp

"MTS" Vol VII, No 10

Production of flax-processing machines VNII-S is
still low. Gives examples of machine's efficiency
in figures obtained from first Krasnokholmskiy MTS
in Kalinin Oblast, where machinist I. F. Gagurin
operates the machine. Artificial drying criticized.
Describes machine and mode of operation.

LC

20056

1. KHALETSKIY, A. M. (PROF.)
2. USSR (600)
4. Psychology, Pathological
7. On the problem of psychopathy. Zhur.nevr. i psikh. No. 12 - 1952.

9. Monthly List of Russian Accessions, Library of Congress, March 1953. Unclassified.

KHALETSKIY, A. M; POLLADINA, O. M.

Psychogenic speech disorders. Zh. nevropat. psikiat., Moskva
52 no.3:9-14 Mar 1952, (CIML 22:2)

1. Professor for Khaletskiy; Fellow for Palladina. 2. Of the
Central Scientific-Research Institute of Forensic Psychiatry imeni
Prof. Serbskiy (Director -- Prof. A. N. Bunayev).

EXCERPTA MEDICA Sec 8 Vol 9/9 Neurology Sept '56

4009. KHALETSKIY A.M. "On the principles of diagnostics in cases of psychoses based on infectious processes with schizophrenic symptomatology (Russian text) Ž. NEVROPAT. PSIKHIAT. (Mosk.) 1953, 55/11 (851-854)

General analysis of the theory of infection in schizophrenia. The great successes achieved in the prophylaxis of infectious diseases are not so apparent where schizophrenia is concerned. It is essential that psychoses based on infectious processes should be definitely eliminated from the sphere of schizophrenia. Greater care should be taken in the preparation of psychopathological records of different clinical forms of psychoses.

Hádík - Brno

KHALETSKIY, A.M.

The problem of some infections psychoses in contemporary psychiatric literature. Zhur.nevr. i psikh. 56 no.5:395-400 '56. (MLRA 9:8)

1. Kafedra psikhiatrii Astrakhanskogo meditsinskogo instituta.
(PSYCHOSES, etiol. and pathogen.
infect. dis., review)
(COMMUNICABLE DISEASES, compl.
psychoses, review)

KHALETSKIY, A.M.; ZASUKHIN, D.N.

Toxoplasmosis and neuropsychiatric disorders; review of literature.
Zhur.nevr. i psikh. 56 no.5:405-409 '56. (MIRA 9:8)
(NERVOUS SYSTEM--DISEASES) (TOXOPLASMOSIS)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710015-7"

Abs Jour : Ref Zhur - Biol., No 8, 1958, No 33904

Author : Khalotskiy, A.M., Zasukhin, D. N., Grlov, G. A., Emelyan-
chik, E. K., Fedoseeva, E. V.

Inst : Not given

Title : Data on Toxoplasmosis. The Problem of Toxoplasmosis in
the Psychoneurologic Clinic. -- Materialy k izucheniyu toksoplasmoze. Problema toksoplazma v psikhonevrologicheskoy klinike.

Orig Pub : Zh. novropatol. i psikiatrii, 1957, No. 3, 360-369

Abstract : Clinical and serological examinations were conducted on 63 patients in the psychiatric hospital, among them 43 with a suspected congenital or acquired toxoplasmosis and 20 with various diseases (schizophrenia, epilepsy, rheumatic encephalitis, etc.). In the first group the number of positive

Card 1/2

KHALETSKIY, A.M. (Astrakhan')

Toxoplasmal epileptiform syndrome. Zhur. nevr. i psikh. 60
no.3:307-311 '60. (MIRA 14:5)
(TOXOPLASMOSIS)

KHALETSKIY, A.M. (Astrakhan')

Criteria for the evaluation of behavior during alcoholic intoxication. Trudy Gos. nauch.-issl. inst. psikh. 38:49-56 '63.
(MIRA 16:11)

*

BLAGOVIDOVA, Yu.A., dots., otv. red.; MEL'NICHENKO, A.K., zam.
otv. red.; GAMMERNAN, A.F., prof., red.; KUTUMOVA, Ye.N.,
red.; SEDOVA, K.D., kand. farm. nauk, red.; SENOV, P.L.,
prof., red.; SIDORKOV, A.M., red.; STETSYUK, A.M., red.;
SHILOV, Yu.M., kand. farm. nauk, red.; KHALETSKIY, A.M.,
prof., red.

[Materials of the Second All-Union Conference of Pharma-
cists] Materialy Vtoroi Vsesoiuznoi konferentsii farma-
tsevtov. Moskva, Medgiz, 1961. 394 p. (MIRA 17:7)

1. Vsesoyuznaya konferentsiya farmatsevtov, 2d, Leningrad, 1959.
2. ~~Kafedra tekhnologii lekarstv~~ I Moskovskogo meditsinskogo in-
stituta im. I.M.Sechenova (for Blagovidova). 3. Direktor
Tsentral'nogo aptechnogo nauchno-issledovatel'skogo insti-
tuta (for Kutumova). 4. Zaveduyushchiy kafedroy farmatsevti-
cheskoy ~~khimii~~ I Moskovskogo meditsinskogo instituta imeni
I.M.Sechenova (for Senov). 5. Zamestitel' direktora po na-
uchnoy chasti Tsentral'nogo aptechnogo nauchno-issledovatel'-
skogo instituta (for Shilov).

KHALETSKIY, A.M. (Astrakhan')

Freudism, microsociology, existentialism. Zhur. nevr. i psikh.
65 no.4:624-630 '65. (MIRA 18:5)

КХАЛЕТСКИЙ, А. М.

Khaletskii, A. M. and M. S. Eshman - "Synthesis and examination of thioanalogues of theobromine." (p. 12/6)

SO: Journal of General Chemistry, (Zhurnal Obshchei Khimii), 1920, Vol. 20, No. 7.

1ST AND 2ND ORDERS		PROCESSES AND PROPERTIES INDEX		3RD AND 4TH ORDERS	
<i>co</i> Tertiary α-keto alcohols and their dependence on the radicals entering into their composition. A. M. Khaletskii. <i>J. Gen. Chem. (U.S.S.R.)</i> 6, 1-14 (1930); <i>Ch. C. A.</i> 22:4199, 23, 1194. The sapon. products of $\text{MePhBr} \cdot \text{CCOCMe}$ (I) and $\text{MeBr} \cdot \text{CCOCMe}$ (II) were compared. Heating II with K_2CO_3 gives $\text{Me}_2\text{C}(\text{OH})\text{CMe}_2\text{O}$ (III) (<i>J. Russ. Phys. Chem. Soc.</i> 44, 1339, 1352), but only two were obtained from I by a similar treatment. With H_2O and freshly pptd. BaCO_3, I gave $\text{MePhC}(\text{OH})\text{COCMe}$ (IV). I was prepd. from $\text{MePhCHCl}(\text{OH})\text{CMe}$ (V) by oxidation to MePhCHCOCMe (VI) and bromination of VI. V was prepd. by 2 methods: (A) <i>tert</i>-$\text{BuMgCl} + \text{MePhCHClO}$, and (B) <i>tert</i>-$\text{BuMgCl} + \text{MePhC}_2\text{H}_5\text{O}$ (VII). MePhCHClOH was obtained as a by-product in A. B is of interest because the Gougnard reagent has been reported to react with epoxy compds. both by direct addn. and after a preliminary isomerization to an aldehyde (<i>Bull. soc. chim.</i> [3], 20, 144; <i>C. A.</i> 1, 2982; 2, 1294, 1965). Here the epoxy compd. is first isomerized. Oxidation of V gave a mixt. of VI, unchanged V and AcPh, from which the AcPh was removed. The mixt. of V and VI on bromination gave I and MePhBrCCHBrCMe (VIII); with PI_3, this mixt. gave I and MePhCHCHBrCMe (IX). IV was also prepd. from $\text{PhC}(\text{OH})(\text{CN})\text{Me}$ by the method of Gautier (<i>C. A.</i> 5, 2631). The structure of IV was proved by its oxidation with KMnO_4 to AcPh and $\text{Me}_2\text{C}(\text{CO}_2\text{H})$. It is therefore evident that IV is more stable than its analog, $\text{Me}_2\text{C}(\text{OH})\text{COCMe}$. When IV was heated with alc. and H_2SO_4, under the conditions in which III gives $\text{MeAcC}(\text{OH})\text{CMe}$, it is dehydrated to $\text{CH}_2=\text{CPhCOCMe}$ (X). The structure of X was proved by reacting with MeMgBr and oxidizing the resulting unsatd. carbinol which gave BuOH, AcCMe, and a substance which reduced Ag salts (HCO_2H). <i>Exptl.</i> VII (25 g.) in 100 cc. Et₂O was added to the reaction product of 20 g. <i>tert</i>-BuMgCl and 5 g. Mg in Et₂O, keeping the reaction temp. below 4°. After reacting 12 hrs., the Mg compd. was decompd., and the extd. products were distd. and gave 14 g. CMe₂ (b.p. 88-94°) and 10.5 g. V, b.p. 105-8°. V (120 g.), 41.5 g. CrO_3, 61 g. H_2SO_4, and 50 cc. Et₂O gave 7 g. AcPh and 93.5 g. of a mixt. of V and VI. Twenty g. of this mixt., from which the AcPh was removed as semicarbazone, with 14.5 g. finely divided marble, 75 cc. H_2O and 20 g. Br gave cryst. VIII, m. 107-8°, and I, b.p. 152-3°, d₄²⁰ 1.217°. Fifteen g. of the mixt. of V and VI with 34 g. PI_3 in 30 cc. petr. ether was mixed with cooling, the soln. was decolorized, and HBr removed <i>10</i> <i>see other side</i> ➔					
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by heating on a water bath at 25°. Distn. of the prod-
ucts gave 0.3 g. IX, bp 122-4°, and 20 g. I, bp 152-3°. I
(11.5 g.), 250 cc. H₂O and an excess of freshly pptd. Ba-
CO₃ were mixed and heated on a water bath until the odor
of I had disappeared, then steam-distd. and extd. with
Et₂O. The residue from the Et₂O ext. was distd., the
distillate being received directly in semicarbazide. Semi-
carbazone of III, m. 106-7° (from alc.). It was shown to
be different from Ac¹⁴H semicarbazone by mixed m. p.
III (10 g.), 40 g. 95% alc. and 3 drops concd. H₂SO₄ were
heated 8 hrs. in a sealed tube, and gave 7.5 g. X, bp
90°, d₄²⁰ 0.9136. Lewis W. Butz

TEST AND JUDGEMENTS																										PROCESSES AND PROPERTIES INDEX																										TEST AND JUDGEMENTS																									
the Gauthier reaction for the synthesis of tertiary α-keto alcohols. A. M. Khalitskii, <i>J. Gen. Chem.</i> (U. S. S. R.) 7, 2854-6 (in French 2866) (1937); cf. <i>C. A.</i> 30, 4844⁶.—When <i>tert</i>-BuMgCl reacts with the cyanohydrins of Me₂CO and MeEtCO, and EtMgBr with MePrC(OH)CN, only the corresponding <i>tert</i>-carbinols are formed and there is no sign of <i>tert</i>-α-keto alcs. Evidently the cyanohydrins decouple to the ketones which then react. H. M. Leicester																																																																													
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PROCESSING AND PROPERTIES INDEX

The action of potassium hydroxide on methylphenyl-ethylene chlorohydrin. A. M. Khaletskii. *J. Gen. Chem.* (U. S. S. R.) 7, 2457-60 (in French 2900) (1937).-- When $\text{MePhC(OH)CH}_2\text{Cl}$ is heated for 4 hrs. with 40% alc. KOH, it gives mostly $\text{PhMeC(OH)CH}_2\text{OEt}$ (I) b.p. 127-8°, d_4^{20} 1.1250, d_4^{25} 1.0230, d_4^{30} 1.030, n_D^{20} 1.51164, M. R. 82.36, and some of the corresponding ethylene oxide, b.p. 81-2°, d_4^{20} 1.0258, d_4^{25} 1.0270, n_D^{20} 1.52325, M. R. 39.02. The relative amts. of these products formed depend on the reaction conditions. When I is heated to 185° with $(\text{CO}_2\text{H})_2$, it gives 2-phenyl-3-ethoxy-1,2-propene, b.p. 86-7°, d_4^{20} 0.9983, d_4^{25} 0.9952, d_4^{30} 0.9981, n_D^{20} 1.55022, M. R. 81.85. When this is hydrolyzed with H_2SO_4 , instead of the alc. it gives MePhCHCHO , b.p. 92-4°, d_4^{20} 1.0230, d_4^{25} 1.0082, d_4^{30} 1.0110, n_D^{20} 1.52248, M. R. 40.52.

H. M. Leicester

ASAC-EL-8 METALLURGICAL LITERATURE CLASSIFICATION

1ST AND 2ND GROUPS										PROCESSES AND PROPERTIES INDEX									
CA										Alexander Semenovitch Glasberg. 1870-1937. A. Al. Kharin. J. Gen. Chem. (U. S. S. R.) 7, 2874-8 (1937). Obituary with portrait and bibliography. Chas. Blanc									
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ASS-51A METALLURGICAL LITERATURE CLASSIFICATION										1937-1938									

1ST AND 2ND GROUPS																									
PROCESSING AND PREPARATION																									
Determination of acetanilide. A. M. Khaletskii and N. S. Mikryukova. <i>Farmatsiya i Farmakol.</i> 1937, No. 8, 213; <i>Chem. Zentr.</i> 1938, I, 3079. — The method of (Vreman, C. A. 27, 3557) for detg. acetanilide in the presence of caffeine, etc., is unsatisfactory. A bromometric method is better. Boil 0.3-0.4 g. of the sample for 1 hr. with 25 cc. 4 N HCl. Dil. the liquid to 100 cc. with water. Take 10 cc. of this soln., dil. to 50 cc. and take 5 cc. of this for the detn. Add 5 cc. of 0.01 N K₂Cr₂O₇ soln., KBr, and 5 cc. 4 N HCl. After 20 min. add 0.5 g. KI and titrate the liberated I₂ with 0.01 N Na₂S₂O₃. W. A. Moore																									
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COMMON ELEMENTS																										COMMON VARIANTS INDEX																									
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Determination of p-chlorophenol. A. M. Khaletskaya and A. M. Yanovitskaya. <i>Farmatsiya i Farmakol.</i> (U. S. S. R.) 1938, No. 1, 17-19; <i>Khim. Referat. Zhur.</i> 1, No. 10, 94(1938).—Bromometric and iodometric methods were developed. The bromometric method is based on the formation of dibromochlorophenol. Dissolve 0.5 g. of p-chlorophenol in 5 ml. of a NaOH soln., dil. with water to 250 ml., take an aliquot of 25 ml. and mix it in a tightly stoppered flask with 50 ml. of a 1% soln. of KBr. Add 25 ml. of 0.1 N KBrO₃ and 5 ml. of HCl, wait 15 min., add 2 g. of KI and wait 5 min. then add 1 ml. of CHCl₃, and titrate with Na₂S₂O₃. Simultaneously carry out a blank expt. A ml. of 0.1 N KBrO₃ = 0.003125 g. of p-chlorophenol. The error does not exceed 1.5%. Better results are obtained with the iodometric method (error = 0.5%), which is based on the formation of diiodochlorophenol by the action of hypiodite (from I₂ and borax) on p-chlorophenol. Dissolve 0.2-0.5 g. of p-chlorophenol in 250 ml. of water, take 25 ml. and add 3 g. of borax, 25 ml. of 0.1 N I and water to make approx. 100 ml. of soln. After 5-10 min. acidify with 10 ml. of H₂SO₄ (1:6), add KI and titrate with Na₂S₂O₃. W. R. Henn																									
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The influence of radicals on the isomerization of tertiary α -keto alcohols. I. A. M., Khaletskii, *J. Gen. Chem. (U. S. S. R.)* **1**, 184-74 (in French 174) (1958).
 MeEtCHCOCMe_3 , b. 158-56°, treated in an aq. CaCl_2 suspension with 1 mol. Br at 60-100° gave 61% MeEtCHCOCMe_3 (I), b. 82-83°, d_4^{20} 1.1007, d_4^{25} 1.1005, n_D^{20} 1.457, M 80.54, mol. wt. 217.7 (calcd. 230.0). This compound, with 10% CaCl_2 gave a fraction (II), b. 62-81°, d_4^{20} 0.9191, d_4^{25} 0.9182, n_D^{20} 1.43, M 84.41 (calcd. 44.53 for $\text{Me}_2\text{C}(\text{OH})\text{C}(\text{Me})\text{O}$ (III) and 45.08 for

Me₂COC(OH)EtMe (IV), m. 135°. I with KOAc in abs. alc. gave MeEtC(OAc)COCMe₂ (V), b. 72°C./0.92 mm.¹ 1.4180, M. R. 54.3 which when saponified with K₂CO₃ gave II. V (15 g.) in 40 ml. alc. on heating with 5 drops of H₂SO₄ in a sealed tube at 120° for 8 hrs. was isomerized to 11.5 g. MeCOC(OH)EtCMe₂, b. 61°C./1.4313, d₄²⁰ 0.9431, d₄²⁵ 0.9417, n_D²⁰ 1.4523, M. R. 45.08, mol. wt. 150; semicarbazone, m. 134°C.. This when oxidized with CrO₃ in aq. KH₂SO₄ gave EtCOCMe₂ (semicarbazone, m. 144°) and AcOH. Hydrogenation of II gave EtMeCCH(OH)CMe₂, b. 168-70°, and not the glycol. The results show that II is III and not IV. Approx. 45 references.

Chas. Blum

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AS 6-36A METALLURGICAL LITERATURE CLASSIFICATION

COMMON ELEMENTS		PROCESSING AND PRESENTATION	
The effect of radicals on the isomeric transformation of tertiary α-keto alcohols. II. Effect of the ethyl radical. A. M. Khaletskii. <i>J. Gen. Chem.</i> (U. S. S. R.) 8, 225-32 (in French 232) (1934); cf. C. A. 30, 4844 and preceding abstr. - Bromination of $\text{Et}_3\text{CHCOCH}_3$ (I) gives 4-bromo-2,2-dimethyl-4-ethyl-3-hexanone, b_p 91-5°, d_4^{20} 1.2681, d_4^{25} 1.2450, n_D^{20} 1.38802, M. R. 55.52, which decomps., liberating HBr, when it is allowed to stand. Its <i>acetate</i> (II), prepd. by its reaction with EtOAc, is more stable and b_p 102-4°, d_4^{20} 0.9714, d_4^{25} 0.9383, d_4^{30} 0.9080, n_D^{20} 1.44270, M. R. 58.07. II does not react with NH_4OH or semicarbazide. Hydrolysis of II gives $\text{O.CEt}_2\text{C(OH)CMe}_2$ (III), b_p 91-2°, d_4^{20} 0.9087, d_4^{25} 0.8871, d_4^{30} 0.8668, n_D^{20} 1.45311, M. R. 49.00. Although III does not react with alc. HCl, its structure is proved by its reaction with Na and EtOH to form I, and then $\text{Et}_3\text{CHCH(OH)CMe}_2$. When III is heated in a sealed tube with EtOH and a little H_2SO_4, it isomerizes to <i>ethyl-tert-butylpropionyl-carbinol</i> (IV), b_p 92-3°, d_4^{20} 0.9012, d_4^{25} 0.8805, d_4^{30} 0.8591, n_D^{20} 1.46102, M. R. 49.39 (semicarbazone, m. 204-5°). Oxidation of IV with CrO_3 gives <i>tert-BuCOEt</i> and EtCO_2H. H. M. Leicester			
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The effect of radicals on the isomeric changes of tertiary α -keto alcohols. III. Effect of α -naphthyl. A. M. Khabitskii. *J. Gen. Chem.* (U. S. S. R.) 10, 483 (1940); cf. C. A. 32, 5379^g. Attempts to prep. methyl- α -naphthyl-tert-butylketol (I) by several methods were tried. MeCOCH_2Cl and $\alpha\text{-C}_{10}\text{H}_7\text{MgBr}$ give methyl- α -naphthyl-tert-butylketol which decomps. even naphthylethylene glycol chlorohydrin which decomps. when heated at 2 mm. and gives only a tar when treated with KOH to remove HCl. The reaction of MeCOCH_2Me , $\alpha\text{-C}_{10}\text{H}_7\text{Br}$ and NaNH_2 gives mostly tar and a small amt. of α,β -binaphthyl, showing partial isomerization of the naphthyl radical. The reaction of $\alpha\text{-C}_{10}\text{H}_7\text{CH}(\text{OH})\text{Me}$ (II) and HBr gives only $\alpha\text{-C}_{10}\text{H}_7\text{CH}(\text{OH})\text{Me}$. The synthesis

of I was finally carried out thus: Oxidation of II with CrO_3 in HOAc gives 75% $\alpha\text{-C}_{10}\text{H}_7\text{COMe}$ (III), b.p. 164.6°, d_4^{20} 1.1335, d_4^{25} 1.1251, n_D^{20} 1.58212, MR 50.43; semicarbazone, m. 218°. Previous methods gave only small yields of III. III reacts with KCN and HCl, or better with liquid HCN, to give the cyanohydrin, which decomps. at 45-60° and 2 mm. This is treated with Me_2CMgCl and gives I, b.p. 211-19°, m. 168-9°; semicarbazone, m. 276-8°. The structure is proved by oxidation to CCO_2H and III. I does not isomerize when heated in a sealed tube with EtOH and a few drops of H_2SO_4 , as do the analogous aliphatic ketols. Instead, it dehydrates to α -naphthylisomethylacetylene, b.p. 198.9°, d_4^{20} 1.3006, d_4^{25} 1.2820, n_D^{20} 1.71400, MR 72.80; semicarbazone, m. 240-7°. With MeMgBr this gives $\text{Me}_2\text{CCMe}(\text{OH})\text{C}(\text{CH}_3)_2\text{C}_{10}\text{H}_7$, m. 130-40°. Thus the naphthyl group stabilizes the structure $\text{RR}'\text{C}(\text{OH})\text{COCMe}$. H. M. L.

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The reaction between ketone cyanohydrins and organo magnesium compounds. A. M. Khaletskii. *J. Gen. Chem.* (U. S. S. R.) 11, 310-23 (1941). $\text{CH}_3\text{CH}_2\text{CH}(\text{COMe})\text{CN}$ reacts with KCN in the presence of HOAc to form the cyanohydrin (I), b_p 94-6°, d₄²⁰ 0.9950, d₄²⁵ 0.9860, n_D²⁰ 1.4164, *MR* calcd. 29.72, found 30.24. When I is heated with HCl, HCN splits out and $\text{ClCH}_2(\text{CH}_2)_2\text{COMe}$ is formed. I reacts with EtMgBr to give methylethylcyclopropylcarbinol, b_p 53-4°, d₄²⁰ 0.9160, d₄²⁵ 0.8995, n_D²⁰ 1.44275, *MR* calcd. 33.70, found, 33.59. H. M. L.

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

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CH		Phytosterol as an ointment base. A. M. Khakitskil and L. N. Felorova (Leningrad Pharm. Research Inst.). <i>Farmatsiya</i> 8, No. 2, 18-21 (1945). — A homogeneous ointment base was prepd. from 12-15% pine phytosterol and 85-87% water. It did not sep. in 30 days at 20°. The paste can be dried and regenerated with warm water. It appears satisfactory as a base for ZnO, ichthyol, or mercurial ointments.		17	
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<i>ca</i> 10 PROCESSES AND PROPERTIES INDEX Influence of radicals on the isomeric transformations of tertiary α-keto alcohols. IV. Isomerization of 2,4-dimethyl-4-phenylpentan-2-ol-3-one. A. M. Khaletskii (Leningrad State Univ.). <i>J. Gen. Chem. (U.S.S.R.)</i> 15, 624-9 (1945) (English summary); cf. <i>C.A.</i> 34, 7870⁸. The <i>chloride</i> (I) of dimethylphenylcarbinol was prepd. by passing dry HCl into the carbinol at 0°; the product readily lost HCl at 70° and 17 mm. with formation of phenylpropylene. I (155 g.) in 350 cc. Et₂O was treated with 24 g. Mg and the product was treated with cooling with 43 g. Me₂C(OH)CN in 80 cc. Et₂O; after stirring at 30-5° for 4 hrs., the mixt. was decompd. by 5% NH₄Cl to give 2,6-dimethyl-4-phenylpentan-2-ol-3-one (II), m. 105° (hydrate, with 1H₂O) from 70% EtOH. II (8 g.), 40 cc. EtOH, and 5 drops H₂SO₄ were heated in a sealed tube to 130-40° for 12 hrs. to give 3,6-dimethyl-4-phenylpentan-3-ol-2-one, m. 102° (from EtOH); semicarbazone, m. 194-5° (from EtOH). This isomerization is consistent with the principle of radical migration with formation of CO directly bound with a smaller radical in the mol. G. M. Kosolapoff																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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1ST AND 2ND COLUMNS		PROCESSING AND PROPERTY INDEX		100 AND 10M COLUMNS	
CA		Preparing standard dry extracts of <i>Thermopsis</i>. A. M. Khaletskii and L. N. Fedorova (Leningrad Pharm. Research Inst.). <i>Farmatsiya</i> 9, No. 5, 32-4 (1944). Dry ext. of <i>Thermopsis</i> contained 2.53-3.94% alkaloid. For prepn. of a standard ext. and a nonhygroscopic powder, the <i>Thermopsis</i> was blended with lactose to 0.414% alkaloid (analysis of <i>Thermopsis</i> plants showed 0.42%). This dry ext. keeps well in closed vessels, but absorbs moisture if exposed to air. When properly stored it is stable for 6 months or longer. Julian F. Smith		13	
ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION					
RECORD #1		RECORD #2		RECORD #3	
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100		1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100		1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100	

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An investigation of the phytosterol obtained by alkaline hydrolysis of pinewood lignin. A. M. Kholodskii and N. N. Solomonik (Leningrad Inst. Chem.-Pharm. Research). *J. Gen. Chem.* (U.S.S.R) 17, 1171-84(1947)(in Russian).

Crude phytosterol (I) from pinewood was extd. with ether and the portion sol. in ether (69%) was sepd. by fractional crystn. from EtOH into a mixt. of alcs. of high mol. wt. (II), m. 65-75° (39.6% of I) and a mixt. of sterols (III), m. 118-33° (38.4% of I). Three optically inactive aliphatic alcs. were isolated by fractional crystn. of II from ether, EtOH, and Me₂CO: *lignoceryl alc.*, m. 75-77°, 17% of I, oxidized by CrO₃ in AcOH to lignoceric acid, m. 83-85°; *CallaCH₂OH*, m. 70.5-1.5°; *acetate*, m. 81-83°; *benzoate*, m. 43-50°; oxidized to *CallaCO₂H*, m. 75-76.5° (*Pb salt*, m. 115-16°); *CallaCH₂OH*, m. 60-70.2°; *acetate*, m. 53-3.8°; *benzoate*, m. 60-3°; oxidized to *CallaCO₂H*, m. 72.5-3.5° (*Pb salt*, m. 114-15.5°). III was 70% β -sitosterol, m. 135-5.5°, [α]_D -36° (in CHCl₃), isolated and purified via the benzoate. III also contained unidentified sterols and a trace of sitosterol (dihydroxysterol). Stigmasterol and α -, α -, α -, and γ -sitosterol were absent. The portion of I insol. in ether (25%) was largely a mixt. of metallic salts of lignoceric and other acids.

B. C. McKusick

CA

Reaction of tripyrocatechylarsonic acid with some alkaloids and basic substances. A. M. Khaletskii and R. S. Gershentsvit (Leningrad Pharmaceut. Inst.). *J. Gen. Chem. (U.S.S.R.)* 17, 2006-74(1947).—The compds. of tripyrocatechylarsonic acid (I) [*tris(p-hydroxyphenyl) arsonate*] with bases are considered to be adducts of the quaternary ammonium type: $(1,3-C_6H_3O_4)_3AsOC_6H_4ONH^+R$, where N^+R represents an alkaloid. I was prepd. by the method of Weinland and Heinzel (*C.A.* 14, 63): 27 g. pyromaric acid in 70 ml. H_2O and 44 g. pyrocatechol heated 1-1.5 hrs. and filtered gave 80-85% I; the product forms a *tetrahydrate*, as shown by vacuum drying over P_2O_5 . The As detn. in the product may be simply performed: 0.2 g. I in 100 ml. H_2O was heated with 10 ml. concd. H_2SO_4 15 min. to 80° , cooled to 60° , treated with 2 g. KI, and the liberated iodine titrated, after 1 hr. The acid may be also estd. by conversion to the Ag salt with $AgNO_3$ in the presence of HNO_3 , followed by ignition to free Ag. The soly. of I in H_2O at 16° is 50.7%; in EtOH, 63.97%. A mixt. of 25 ml. 0.1 N I soln. and 25 ml. 0.1 N atropine sulfate gives a microcryst. ppt., $C_{18}H_{19}O_7As \cdot C_{17}H_{21}O_4N$, m. 216° . Analogous *equimol. adducts*: from morphine-HCl, microcryst. solid, $C_{18}H_{19}O_7As \cdot C_{17}H_{19}O_4N$, m. 227° , (from water); from codeine or codeine sulfate, decomp., $245-6^\circ$; from quinine-HCl, yellow, poorly sol. in cold H_2O , fairly sol. in hot H_2O , sol. in EtOH, Me_2CO , poorly sol. in H_2O and $CHCl_3$; from caffeine, colorless, partly sol. in H_2O , EtOH, Me_2CO , Et_2O , acids; from novocaine-HCl, decomp. $100-82^\circ$, partially sol. in H_2O ; from pyramdone, colorless, m. 134° , poorly sol. in cold H_2O ; from rivanol, yellow, m. $178-6^\circ$, poorly sol. in H_2O , sol. in EtOH and Me_2CO ; from acridine, yellow, m. 215° , almost insol. in H_2O , sol. in EtOH and Me_2CO (this adduct, however, consists of 2 I and 1 acridine mol.). G. M. Kosolapoff

ASS-SLA METALLURGICAL LITERATURE CLASSIFICATION

CLASSIFICATION	RESEARCH	DEVELOPMENT	PRODUCTION	OTHER
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6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22	23	24	25
26	27	28	29	30
31	32	33	34	35
36	37	38	39	40
41	42	43	44	45
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51	52	53	54	55
56	57	58	59	60
61	62	63	64	65
66	67	68	69	70
71	72	73	74	75
76	77	78	79	80
81	82	83	84	85
86	87	88	89	90
91	92	93	94	95
96	97	98	99	100

A. M. Khaletskii and M. S. Eshman, Synthesis and investigation of thio-analogs of caffeine caffeidine. p. 2116.

The thio-analogs of caffeine, 1, 3,7-tri-methyl-2oxy-6-thiopurine and 1,3,7-tri-methyl-2,6-di-thiopurine were synthesized and the position of the sulfur atom is proved by obtaining thio-caffeidine and its salts. It is found that the substitution of oxygen for sulfur in a caffeine molecule changes sharply the physico-chemical properties of the substance. The products obtained are slightly soluble in water and have no tendency to form salts.

Chair of Pharmaceutical Chemistry
Leningrad Pharmaceutical Inst.
October 24, 1947

SO: J. Gen. Chem. (USSR) 18, (80) No. 12, 1948

KHALETSKIY, A. M.

PA 13/49T14

USSR/Chemistry - Pharmaceuticals
Medicine - Drugs

Feb 48

"Problem of Manufacturing Galenic Preparations,"
A. M. Khaletskiy, Leningrad Sci Res Chemicophar
Inst, 2 $\frac{1}{2}$ pp

"Med Prom SSSR" No 2

Explains importance of galenic preparations. It
it not always that opium can be replaced by
morphine, digitalis by digitoxigenine, and ergot
by ergomethrine. Stresses importance of increas-
ing manufacture of galenic preparations in USSR,
and discusses methods by which this objective can
be achieved.

13/49T14

"APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000721710015-7

KHATSKY, A-M

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000721710015-7"

CA

This analogs of theobromine. A. M. Khaletskii and M. S. Eshman (Leningrad Pharm. Inst.): *Zh. Obshch. Khim.* (J. Gen. Chem.) 20, 1240-8 (1950).—Heating 10 g. theobromine with 20 g. P₂S₅ in 150 ml. kerosene 1 hr. at 180-200°, filtration, washing with Et₂O, warming with H₂O, treatment with 10% KOH at 80-90°, filtration, and cooling, gave plates of K 2,6-dithiotheobrominate, which treated with dil. H₂SO₄ gave 4-6 g. (34-42%) 3,7-dimethyl-2,6-dithiopurine, decomp. 290-2°. This treated with 10% NaOH and dild. with EtOH gave the Na deriv., yellowish powder, which hydrolyzes slowly in aq. soln. Treatment with Me₂SO, in 10% NaOH gave the known dithiotheobromine, m. 225-6° (C.A. 43, 3794c). G. M. Kosolapoff

14

Synthesis of piasthiols (2,1,3-benzothiadiazole) and its derivatives. A. M. Khaletskii and V. G. Pesin (Leningrad Chem.-Pharm. Inst.). *Zh. Obshch. Khim.* (J. Gen. Chem.) 20, 1914-20 (1950); cf. Hinsberg, *Ber.* 22, 2805 (1889).—Heating 1 g. *o*-C₆H₄(NH₂)₂ and 7 ml. aq. NaHSO₃ (d. 1.3; bisulfite content 32%, SO₂ content 20%) 6 hrs. to 190–200° in a sealed tube gave on extr. with CCl₄ and evapn. of the ext. 98% piasthiol (I), m. 42°. Heating 60 g. *o*-C₆H₄(NH₂)₂ and 160 g. SOCl₂ in 200 ml. dry MePh 14–18 hrs. gave on distn. 84% I, b. 206°, m. 44°. I dissolves in concd. mineral acids, but the salts are hydrolyzed on diln. and the base is extractable with CCl₄; I/HC1 is insol. in concd. HCl; I and PhNH₂ form a yellow soln. I is stable to HgCl₂ even at 250° and is unchanged by K₂Cr₂O₇-H₂SO₄, although weakly acid KMnO₄ slowly oxidizes it, giving unknown products. Heating I with Zn-AcOH yields H₂S and C₆H₄(NH₂)₂; HNO₃ or AcOH have no action on I. Nitration of I (25 g.) in 70 ml. concd. H₂SO₄ at 0° with 15 ml. HNO₃ (d. 1.4) and 22 ml. concd. H₂SO₄, followed by 0.5 hr. at 20° gave 90–95% 5-nitro deriv. (II) of I, m. 101°. Reduction of this by refluxing with Fe filings and aq. AcOH gave 80% amino analog, m. 68° (from H₂O), forming an easily hydrolyzable HCl salt; heating this with Zn-HCl gives H₂S and 1,2,5-C₆H₃(NH₂)₃; heating the amino deriv. with *p*-O₂NC₆H₄COCl in MePh gives the *p*-nitrobenzoyl deriv., m. 207°, which is hydrolyzed by long boiling with 20% HCl. Heating 40 g. AcOH with 10 g. *o*-C₆H₄(NH₂)₂ 10 min. gave *o*-C₆H₄(NH₂)₂Ac, m. 185° (from H₂O); this (10 g.) treated slowly with 60 g. concd. H₂SO₄ with cooling, then with 7 ml. concd. H₂SO₄ and 3 ml. HNO₃ (d. 1.48) and kept 1 day at room temp.,

gave the 4-nitro deriv., m. 226–7° (from EtOH); heating this 15 min. with 10% HCl gave 4-nitro-1,2-phenylenediamine, m. 108° (from MePh), after neutralization by NH₄OH; heating this (2 g.) with 4 g. SOCl₂ in dry MePh gave a product, m. 101–3°, identical with I. G. M. K.

110

CM

The leaves of *Vaccinium myrtillus*. A. M. Khaletskii and B. K. Kiseleva (Leningrad Chem. Pharm. Inst.). *Aptekhae Delo* 1, No. 1, 52-62 (1952).—Preliminary results are reported in which the PbOAc method and solvent-extn. methods gave the following group contents in leaves: 3.14% waxes, coloring materials, and glucosides extractable with petr. ether; 0.85% glucosides, resins, etc. extractable by K_2O ; 0.11% similar materials extractable with $CHCl_3$; 7.81% tannins, reducing substances, etc., extractable by abs. $EtOH$ (70% $EtOH$ gives 2.70%); 4.3% salts and proteins extractable with cold H_2O ; 0.22% salts of org. acids extractable with hot H_2O ; 4.33% Ca salts and reducing substances extractable with 1% cold HCl ; 13.46% lignin, pentosans, hemicellulose, etc., extractable with hot 1% HCl ; and 61.8% pentosans and cellulosic derivs. extractable with 5% $NaOH$. The ash residue contains K, Na, Mg, Fe, Si, S, P, and Cl. G. M. Kosolauoff

AKHLETSKIY, PROF. A. M.
KISELEVA, YE. K.

Botany-Medical

Examination of whortleberry (*Vaccinium myrtillus*) leaves; conclusion. Apt. delo
no. 3, 1952.

Monthly List of Russian Accessions, Library of Congress, November 1952.
UNCLASSIFIED.

KHALETSKIY, A. M., YANOVITSKAYA, A. M.

Bromine

Investigation of the action of bromine on 4,4'-di-(p-dimethylaminophenyl)-
phenyl ethylene. Zhur. ob. khim. 22, No. 8, 1952

Monthly List of Russian Accessions, Library of Congress, November 1952.
UNCLASSIFIED.

KHALETSKIY, A.M.

CH. 12. 1. 1. 1.
Vol. 4. 1. 1. 5
No. 10. 1. 1. 1.
Date of entry

Reaction of bromine with 1,1-bis(p-dimethylamino-phenyl)-2-phenylethylene. A. M. Khaletskiy and A. M. Yanovitskaya (Leningrad Acad. Inst.). J. Gen. Chem. U.S.S.R. 22, 1481-4 (1952) (Engl. translation).--See C.A. 47, 4883f.
H. L. H.

1-28-54

KHALETSKIY, A. M.

232T28

USSR/Chemistry - Pharmaceuticals

Sep 52

"Synthesis and Study of the Gamma-diethylamino-propyl Ether of 2-Methoxy-6-allylphenol," A. M. Khaletskiy, T. I. Sokolova, Leningrad Chem-Phar Inst

"Zhur Obshch Khim" Vol 22, No 9, pp 1648-1650

The gamma-diethylaminopropyl ether of 2-methoxy-6-allylphenol, as well as its hydrochloride were prepd from 2-methoxy-6-allylphenol and 1-diethylamino-3-chloropropane. A salt was prepd from the above ether and 1,5-disulfonic acid of naphthalene.

232T28

(CA 47 no. 17: 8679 '53)

CATALYST

Chemical Abst.
Vol. 48 No. 8
Apr. 25, 1954
Organic Chemistry

Okla
✓ Synthesis and study of the 3-diethylamino propyl ether of
2-methoxy-6-allylphenol. A. M. Khaletskii and L. I. Soko-
lova. J. Gen. Chem. (U.S.S.R.) 22, 1889-90 (1952) (Engl.
-translation).—See C.A. 47, 8879f. H. L. H.

9-2-54
HLL

KHALETSKIY, A.M.

Synthesis and study of 1-methyl-1-cyclohexyl-2-bromo-
2-phenylcyclohexane. A. M. Khaletskiy and A. M. Yanovitskiy
(I. P. Pavlov 1st Leningrad Med. Inst.). *Sbornik*
State Obshchestva Khim., Akad. Nauk S.S.S.R. 1, 552-4
(1953).— $C_{17}H_{26}Br$ (from 99 g. cyclohexyl bromide) and
AcH gave 34.6% methylcyclohexylcarbinol, b_p 81-2°, when
with CrO_3 gave *Me cyclohexyl ketone* (71%), b_p 85° (from
carbazone, m. 171-2°), which (24 g.) added to $PhCH_2MgCl$
(from 21 g. R_2Li) gave about 87% methylcyclohexylphenyl-
carbinol, b_p 143-8°, d_4^{20} 1.0134, d_4^{25} 1.0041. This (12 g.)
dissd. from 5 drops H_2SO_4 in vacuo gave 74.5% $PhCH_2-$
 $CMeC_6H_{11}$, b_p 134°, d_4^{20} 0.9870, d_4^{25} 0.9535, which adds Br
readily, yielding a brown oily dibromide; this (5 g.) treated
in the cold with 7.8 ml. 10% alc. KOH gave 3 g. undistil-
lable $PhCBr; CMeC_6H_{11}$, which with $KMnO_4$ gave $MeCO-$
 C_6H_{11} , $BzOH$ and Br ions. G. M. Kozolapov

14/2/54

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KHATSKY A.M.

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000721710015-7"

"APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000721710015-7

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000721710015-7"

KHALETSKIY, A. M.
USSR/Chemistry - Pharmaceuticals

Card 1/1 : Pub. 151 - 29/37

Authors : Khaletskiy, A. M., and Yurist, I. M.

Title : Separation of beta-sitosterol from natural phytosterol and its analysis

Periodical : Zhur. ob. khim. 24/3, 535-538, Mar 1954

Abstract : A method for the separation of beta-sitosterols from plant sterols (phytosterols), based on the extraction of the latter with the aid of dichloroethane and recrystallization in alcohol, is described. The possibility for quantitative determination of beta-sitosterol with the aid of a dibromopyridine sulfate solution or by the bromide-bromate method is debated. The results obtained from the analysis of beta-sitosterol, derived through saponification of 3-benzoate beta-sitosterol, are tabulated. Five references: 3-USSR; 1-USA and 1-German (1933-1947). Table.

Institution : Chemical-Pharmaceutical Institute, Leningrad

Submitted : October 28, 1953

KHROMOV-BORISOV, N.V.; YANOVITSKAYA, A.M.; KHALETSKIY, A.M.

Synthesis and conversion of methylcyclohexylcarbinol. Zhur.
ob.khim. 25 no.3:526-529 Mr '55 (MLRA 8:6)

1. 1-y Leningradskiy meditsinskiy institut.
(Carbinols)

KHALETSKIY, A.M.

5

Synthesis and a study of 1,2-diphenyl-1-(1-naphthyl)- and -1-(2-naphthyl)-2-bromoethylenes. A. M. Khaletskii and A. Ya. Kopylov (*Chem. Pharm. Ind., Leningrad, Zhur. Obshch. Khim.* 25, 1498-1500 (1955)). Reaction of 14 g. PhCH_2Cl , 20.6 g. C_{10}H_8 , and 0.4 g. P_2O_5 (cf. Lecher, C.A. 8, 100) gave 75.4% isomeric phenyl naphthyl ketones, b_p 216-24°; sepn. according to Roussel (*Bull. soc. chim. France* [3], 1896, 1671) gave 56.9% $\text{PhCO-C}_{10}\text{H}_7-1$, m. 75°, and 23.4% $\text{PhCO-C}_{10}\text{H}_7-2$, m. 82°. The former with $\text{Ph-C}_6\text{H}_4\text{MgCl}$ gave 60% phenyl-1-naphthylbenzylcarbinol (I), m. 148.5-51°. This dehydrated over P_2O_5 in C_{10}H_8 gave 79% 1,2-diphenyl-1-(1-naphthyl)ethene; KHSO_4 gave 63.15% yield of the same product which with KMnO_4 gave BzOH and 1- $\text{C}_{10}\text{H}_7\text{Bz}$. Bromination with Br in AcOH gave 1,2-diphenyl-1-(1-naphthyl)-2-bromoethene, a yellowish powder without definite m.p. Bromination of I, similarly performed, gave a small amt. of a substance, m. 193-6°, and, mainly, the same bromide as described above, m. 84-7°. Oxidation of this with KMnO_4 gave 1- $\text{C}_{10}\text{H}_7\text{Bz}$ and BzOH .

2- $\text{C}_{10}\text{H}_7\text{Bz}$ and PhCH_2MgCl gave 36.8% 2-naphthylphenyl benzylcarbinol, m. 109.5-11°; dehydration over KHSO_4 gave a viscous uncrystallizable mass of 1,2-diphenyl-1-(2-naphthyl)ethene (oxidation with KMnO_4 gave 2- $\text{C}_{10}\text{H}_7\text{Bz}$ and BzOH). The carbinol with dioxane- Br gave 51.4% $\text{C}_{10}\text{H}_7\text{Br}$, m. 206-6.07°, identified as 1,2-diphenyl-1-(2-naphthyl)-2-bromoethene, which with KMnO_4 gave 2- $\text{C}_{10}\text{H}_7\text{Bz}$, BzOH .

G. M. Koudipoll

1 KHALETSKIY, A. M.

USSR/Organic Chemistry. Synthetic Organic Chemistry.

E-2

Abs Jour: Ref Zhur-Khimiya, No 6, 1957, 19157

Author : Khaletskiy A. M., Kaplan A. Ya.

Inst : ~~Academy of Sciences of the USSR~~

Title : Synthesis and Examination of 1,1-di-(1-naphthyl)-2-phenyl-2-bromoethylene.

Orig Pub: Zh. obshch. khimiyi, 1956, 26, No 2, 431-434

Abstract: (α -C₁₀H₇)₂C=CBrc₆H₅ (I) is synthesized, possessing an estrogenic activity. To a solution C₆H₅CH₂MgCl (from 4.8 g. Mg and 25.2 g. C₆H₅CH₂Cl in ether, heated 1 hour) is added at 0° 14.1 g. (α -C₁₀H₇)₂CO (II) in 400 cc ether, heated for 2 hours: 12 hours after the usual treatment (α -C₁₀H₇)₂C(OH)CH₂C₆H₅ (III), yield 26.5%, m.p. 160-162° (from alcohol) is obtained; besides, C₆H₅CH₂OH and (C₆H₅CH₂)₂ are formed; in carrying out the reaction in a N₂ current, the yield of III is in-

Card : 1/2

KHALETSKIY, A.M.; KAPLAN, A.Ya.

Study of the effect of bromine on 1-phenyl-1- α -(or β)-naphthyl-
-2-methylethylenes. Zhur.ob.khim. 26 no.2:434-440 P '56.

(MLRA 9:8)

1. Leningradskiy khimiko-farmatsevticheskiy institut.
(Ethylene) (Bromine)

KHALETSKIY, A.M.; KOLESOVA,; METRIKINA, R.M.

Synthesis and study of 2-phenylindandione-1,3. Zhur.ob.khim. 26
no.3:760-762 Mr '56. (MIRA 9:8)

1. Leningradskiy khimiko-farmatsevticheskiy institut.
(Indandione)

KHALETSKIY, A.M.; KAPLAN, A.Ya.

Reducing properties of magnesium chloro- α -methylnaphthalene in
certain Grignard reactions. Zhur.ob.khim. 26 no.3:762-766 Mr '56.
(MLBA 9:8)

1. Leningradskiy khimiko-farmatsevticheskiy institut.
(Magnesium organic compounds) (Grignard reaction)

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APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000721710015-7"

KHALETSKIY, A.M.

USSR/ Organic Chemistry - Naturally occurring substances
and their synthetic analogs

E-3

Abs Jour : Referat Zhur - Khimiya, No 4, 1957, 11839

Author : Khaletskiy A.M. m Li Chzhen'-su
Title : Investigation of Beta-Cytosterol

Orig Pub : Zh. obshch. khimii, 1956, 26, No 4, 1201-1204

Abstract : It is shown that the previously isolated, on alkaline hydrolysis of pine wood (RZhKhim, 1955, 15341), β -cytosterol (I), is very labile and changes on heating (melting point is lowered) and exposure to ultraviolet radiations. I forms a digitonide (II); on acetylation of I there was obtained a 3-acetate of I (III), and on bromination of III with pyridine tetrabromide (IV) in dichlorethane, 3-acetate of 5,6-dibromo- β -cytosterol (V). On acetylation of dihydro- β -cytosterol (VI), which is present as an admixture of I, the 3-acetate of VI was isolated. On ultraviolet irradiation, I shows a violet-blue or blue fluorescence. Data are presented on lowering of the melting point of I that has been irradiated with a quartz lamp. To a solution of 0.04 g I in 6 ml alcohol is added a solution of

Card 1/3

USSR/ Organic Chemistry - Naturally occurring substances
and their synthetic analogs

E-3

Abs Jour : Referat Zhur - Khimiya, No 4, 1957, 11839

alcohol in the presence of charcoal), α D + 23° (c 1.0; chloroform).Mixture of 10 g I, 5 g (CH₃CO)₂O and 5 g dichlorethane (VII) heated

5 hours at 95-98° to get III, yield 65.5%, MP 120 5-122° (from alcohol)

Mixture of 107.3 g I, 54 g (CH₃CO)₂O and 50 ml VII heated 5 hours at

95-98°, added 200 ml VII, and while maintaining the temperature at -

14 to - 15° there is added IV from 46 g bromine and 10.4 g pyridine.

The VII is distilled off at 45° and 30 mm, residue extracted with

450 ml CH₃OH, and thus are obtained 144 g of a substance of MP 117-

124°, which is again treated with VII and crystallized from alcohol, to get V, MP 119-128°.

Card 3/3

KHALETSKIY, A.M.; RUDAKOVA, A.N.

Synthesis and study of nitro and sulfo derivatives of 3,4-dimethyl-
-3,4-diphenylhexane. Zhur.ob.khim. 26 no.5:1453-1456 My '56.
(MLRA 9:9)

1.Leningradskiy khimiko-farmatsevticheskiy institut.
(Hexane)

"APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000721710015-7

KHALETSKIY, A-M

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000721710015-7"

Khaletskiy, A. M.

USSR/ Chemistry - Physical chemistry

Card 1/1 Pub. 22 - 23/43

Authors : Khaletskiy, A. M.; Pesin, V. G.; and Chzhao Chzhi-Chzhun

Title : Study of the chemistry of piacthiol (3,4-benz-1,2,5-thiodiazole)

Periodical : Dok. AN SSSR 106/1, 88-91, Jan 1, 1956

Abstract : A study of the chemical properties of piacthiol derivatives showed that the benzene ring in the heterocycle retains its aromatic nature. Chlorination, bromination and thiocyanation of 1- and 2-aminopiaethioles led to the formation of homologous mono- and di-chloro-bromo and thiocyanogen derivatives. The properties of the thiourea derivatives obtained during the reaction of ammonium thiocyanate with hydrochloride-1 or 2-aminopiaethioles are described. The products of aminopiaethiol azotization in a sulfate medium are listed. Four references: 1 USSR, 1 Ital. and 2 Germ-USA (1889-1955). Table.

Institution : Leningrad Chemicopharmaceutical Institute

Presented by: Academician I. N. Nasarov, September 26, 1955

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